EE 341 - Homework 11

Due November 9, 2005

For problems which require MATLAB, please include a MATLAB m-file which shows how you made your plots. Problems from the text tell you to use the M-file `dft`. You can use the built-in MATLAB function `fft` instead.

1. Problem 8.1 (a) (b) (c) (e)

2. Problem 8.2 (a) (b) (c) (f)

3. Problem 8.4 (b) (e)

4. Problem 8.5. When using the Final Value Theorem, make sure the final value exists.

5. Problem 8.6

6. Problem 8.10 (a) (b) (c) (d) (e)

7. Problem 8.12 (a) (c) (e) (f). You do not need to compute the partial frations by hand; use the MATLAB `residue` function if you prefer.